

L16 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1939:6494 CAPLUS Full-text

DOCUMENT NUMBER: 33:6494

ORIGINAL REFERENCE NO.: 33:985h-i,986a

TITLE: Dialkylthiazolidinediones

AUTHOR(S): Doran, Wilbur J.; Shonle, H. A.

SOURCE: Journal of Organic Chemistry (1938), 3, 193-7

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

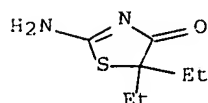
OTHER SOURCE(S): CASREACT 33:6494

AB 5,5-Dialkyl-2-imino-4-thiazolidones (I) were prepd. by condensing CS(NH₂)₂ with dialkyl-substituted bromoacetic acids or the acid chlorides and hydrolyzing to form the corresponding thiazolidinediones (II). Ethylisobutylbromoacetic acid, b_{2.5} 121-5.degree.; ethyl-1-methylbutylbromoacetic acid, b_I 120-5.degree.. Derivs. of I: di-Et, m. 237-8.degree.; Et Pr, m. 220-2.degree.; Et iso-Bu, m. 225-7.degree.; Et sec-Bu, m. 215-16.degree.; Et 1-methylbutyl, m. 229-31.degree.. Derivs. of II: di-Et, m. 78-8.5.degree.; Et Pr, oil; Et iso-Bu, oil; Et sec-Bu, m. 70-2.degree.; Et 1-methylbutyl, m. 105-7.degree.. The II exert hypnotic action when administered orally to white rats. The prevalence of tremors or convulsions after the i.v. administration of the Na salts of the II makes it unlikely that they will be of practical importance. The I exhibit a moderate amt. of sedative action when administered orally to white rats.

IT 98336-83-5, 4-Thiazolidone, 5,5-diethyl-2-imino-
98880-93-4, 4-Thiazolidone, 5-ethyl-2-imino-5-isobutyl-
412311-87-6, 4-Thiazolidinone, 5-ethyl-2-imino-5-(1-methylbutyl)-
765314-91-8, 4-Thiazolidone, 5-sec-butyl-5-ethyl-2-imino-
765315-15-9, 4-Thiazolidone, 5-ethyl-2-imino-5-propyl-
(prepn. of)

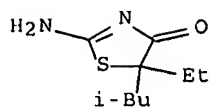
RN 98336-83-5 CAPLUS

CN 4-Thiazolidinone, 5,5-diethyl-2-imino- (6CI) (CA INDEX NAME)

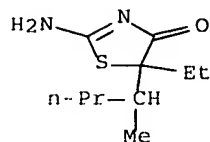


RN 98880-93-4 CAPLUS

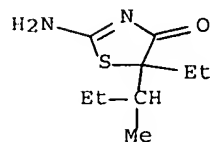
CN 4-Thiazolidinone, 5-ethyl-2-imino-5-isobutyl- (6CI) (CA INDEX NAME)



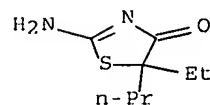
RN 412311-87-6 CAPLUS
 CN 4(5H)-Thiazolone, 2-amino-5-ethyl-5-(1-methylbutyl)- (9CI) (CA INDEX NAME)



RN 765314-91-8 CAPLUS
 CN 4-Thiazolidone, 5-sec-butyl-5-ethyl-2-imino- (4CI) (CA INDEX NAME)



RN 765315-15-9 CAPLUS
 CN 4-Thiazolidone, 5-ethyl-2-imino-5-propyl- (4CI) (CA INDEX NAME)



L16 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1938:11788 CAPLUS Full-text
 DOCUMENT NUMBER: 32:11788
 ORIGINAL REFERENCE NO.: 32:1697i,1698a-d
 TITLE: The properties of isosteric and structure-similar compounds. III. The synthesis of 2,4-diketothiazolidines with narcotic properties, doubly substituted in the 5-position
 AUTHOR(S): Erlennmeyer, H.; von Meyenburg, Harald
 SOURCE: Helvetica Chimica Acta (1937), 20, 1388-93
 CODEN: HCACAV; ISSN: 0018-019X